80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**85.21%**
AVERAGE EFFICIENCY :	**83.28%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	994
Manufacturer	FSP
Model Number	FSP300-60GHT
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/9/2008

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4.5-2.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**300**	**Watts**

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

Input Current and Voltage Waveforms
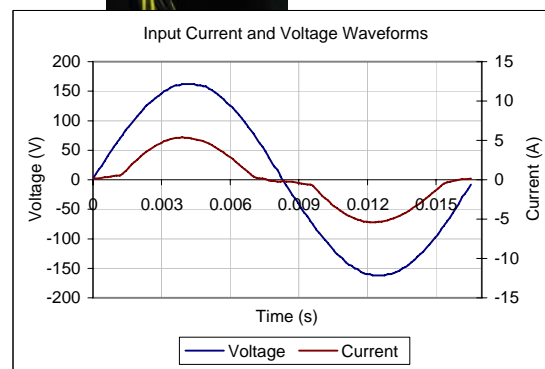
Input AC Current Waveform (ITHD = 26.38%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB	Output Watts	Efficiency %
						DC Terminal Voltage (V)/ DC Load Current (A)						
0.65	0.98	18.8%	20%	**Light**	74	12.3/3.7	11.5/0.1	3.4/1.5	5.1/1.7	5.1/0.3	61	**83.32%**
1.61	0.96	26.4%	50%	**Typical**	179	12.2/9.3	11.6/0.1	3.4/3.9	5.1/4.2	5.1/0.6	152	**85.21%**
3.35	0.97	25.4%	100%	**Full**	372	12.1/18.6	11.6/0.3	3.4/7.7	5.1/8.5	5/1.2	302	**81.29%**

Input and Output Power

Efficiency of the Power Supply

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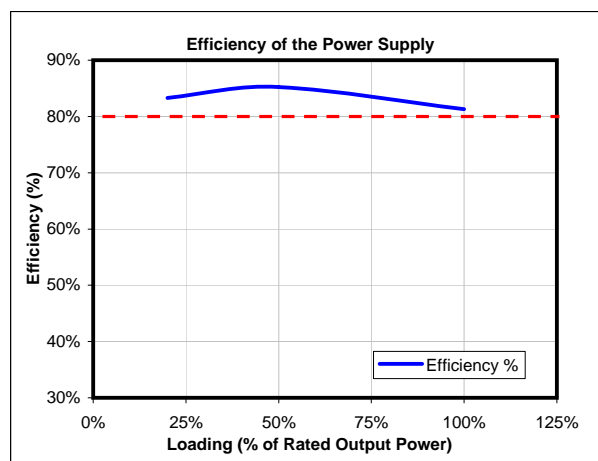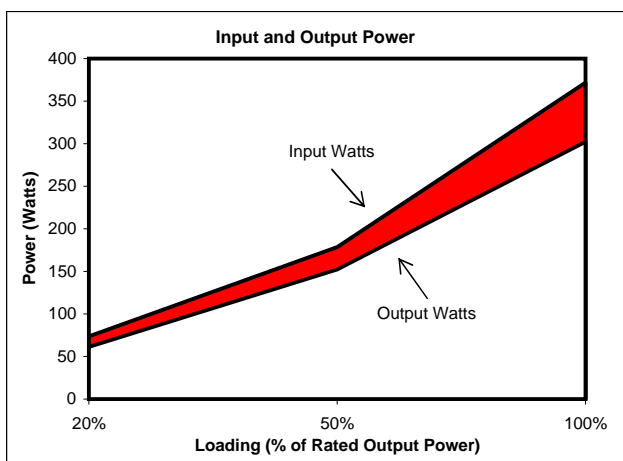
These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.

80 PLUS